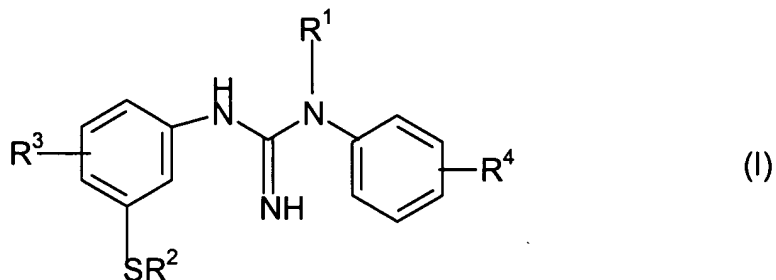


In the Claims

Listing of claims

1. (Original) A compound of formula (I):



or a salt or solvate thereof, wherein:

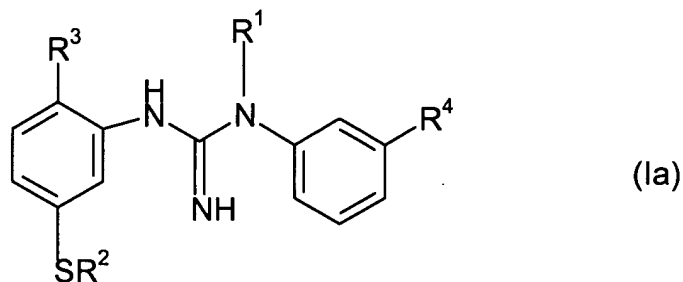
R^1 is $-^{11}\text{CH}_2\text{R}^5$ or $[\text{}^{18}\text{F}]\text{-C}_{1-4}$ fluoroalkyl wherein R^5 is hydrogen or C_{1-4} alkyl;

R^2 is hydrogen or C_{1-4} alkyl;

R^3 is halo; and

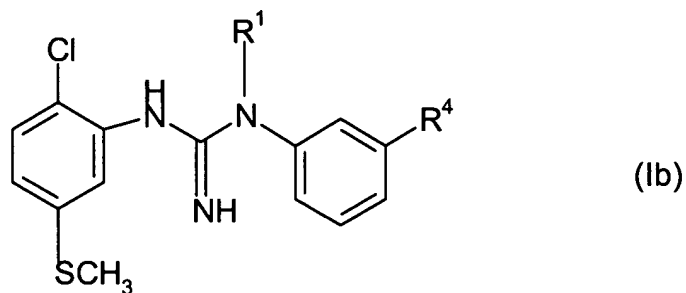
R^4 is halo, C_{1-4} alkylthio, or C_{1-4} alkyl.

2. (Original) A compound according to claim 1 of formula (Ia) :



or a salt or solvate thereof, wherein R^1 , R^2 , R^3 , and R^4 are as defined in claim 1.

3. (Currently amended) A compound according to claim 1 ~~or 2~~ of formula (Ib):

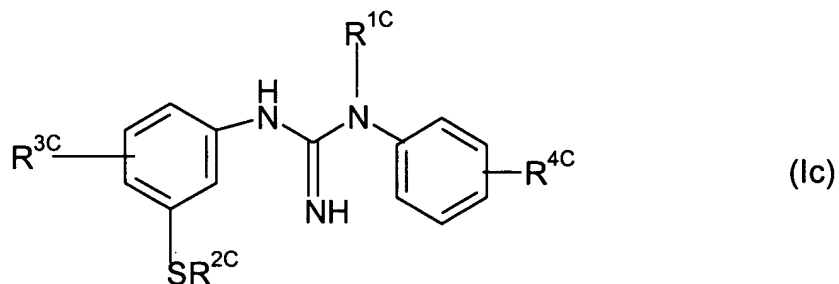


or a salt or solvate thereof, wherein:

R^4 is C_{1-4} alkylthio;

R^1 is either $-^{11}CH_3$, $-^{11}CH_2CH_3$, or $-^{11}CH_2CH_2CH_3$ or R^1 is $-CH_2^{18}F$, $-CH_2CH_2^{18}F$, or $-CH_2CH_2CH_2^{18}F$.

4. (Original) A compound of formula (Ic):



or a salt or solvate thereof, wherein:

R^{1c} is C_{1-4} alkyl or C_{1-4} haloalkyl;

R^{2c} is hydrogen or C_{1-4} alkyl;

R^{3c} is radioiodine (suitably ^{123}I , ^{124}I , ^{125}I , or ^{131}I); and

R^{4c} is halo, C_{1-4} alkylthio, or C_{1-4} alkyl.

5. (Currently amended) A compound according to ~~any one of claims 1 to 3~~ claim 1,

selected from:

(N-(2-chloro-5-(methylthio)phenyl)-N'-(3-methylthio)phenyl)-N'-[N-methyl-¹¹C]-methylguanidine; and
(N-(2-chloro-5-(methylthio)phenyl)-N'-(3-methylthio)phenyl)-N'-[¹⁸F]-fluoromethylguanidine;
or a salt or solvate thereof.

6. (Currently amended) A compound according to ~~any one of claims 1 to 5~~ claim 1, for use in an *in vivo* diagnostic or imaging method such as PET.

7. (Currently amended) Use of a compound according to ~~any one of claims 1 to 5~~ claim 1, in the manufacture of a radiopharmaceutical for the *in vivo* diagnosis or imaging of an NMDA-mediated disease.

8. (Currently amended) A method for the *in vivo* diagnosis or imaging of NMDA-mediated disease in a subject, preferably a human, comprising administration of a compound according to ~~any one of claims 1 to 5~~ claim 1.